



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Weather Shield Manufacturing, Inc.
One Weather Shield Plaza, P. O. Box 309
Medford, WI 54451-0309

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Legacy" Outswing Aluminum Clad Wood Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1070, titled "Legacy Aluminum Clad Wood Impact Outswing Casement Window", sheets 1 through 5 of 5, dated 04/04/02, prepared by W.W. Schaefer Engineering & Consulting, P.A., with revision "C1" dated 09/17/12, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 11-1108.05 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
12/14/12

NOA No. 12-0919.04
Expiration Date: February 13, 2018
Approval Date: December 27, 2012
Page 1

Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1070**, titled "Legacy Aluminum Clad Wood Impact Outswing Casement Window", sheets 1 through 5 of 5, dated 04/04/02, with revision "**C1**" dated 09/17/12, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum clad wood fixed casement window, prepared by Hurricane Test Laboratory, LLC, Test Reports No.: **HTL 0037-0201-01, HTL 0037-0410-01, HTL 0037-1204-01, HTL 0037-0412-01, HTL 0037-0418-01, HTL 0037-0205-01 and HTL 0037-0106-02**, dated 04/16, 04/20 and 11/21/01, 01/08, 02/07 and 07/05/02, all signed and sealed by Vinu J. Abraham, P.E.
(Submitted under previous NOA No. 07-1203.10)

C. CALCULATIONS

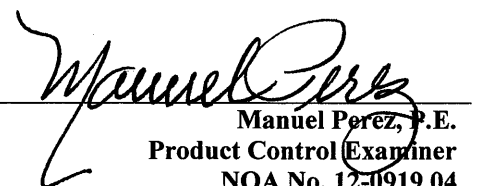
1. Anchor verification calculations and structural analysis, dated 03/13/02, 04/14/08 and revised on 09/17/12, complying with FBC-2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
(Partly submitted under previous NOA No. 07-1203.10)
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-1102.11** issued to **Solutia, Inc.** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/14/12, expiring on 05/21/16
2. Notice of Acceptance No. **07-0831.06** issued to **Cardinal LG** for their "**Laminated Glass Cardinal Sea-Storm Type B**", dated 10/11/07, expiring on 12/30/12.


Manuel Perez, P.E.
Product Control Examiner
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Weather Shield Manufacturing, Inc.


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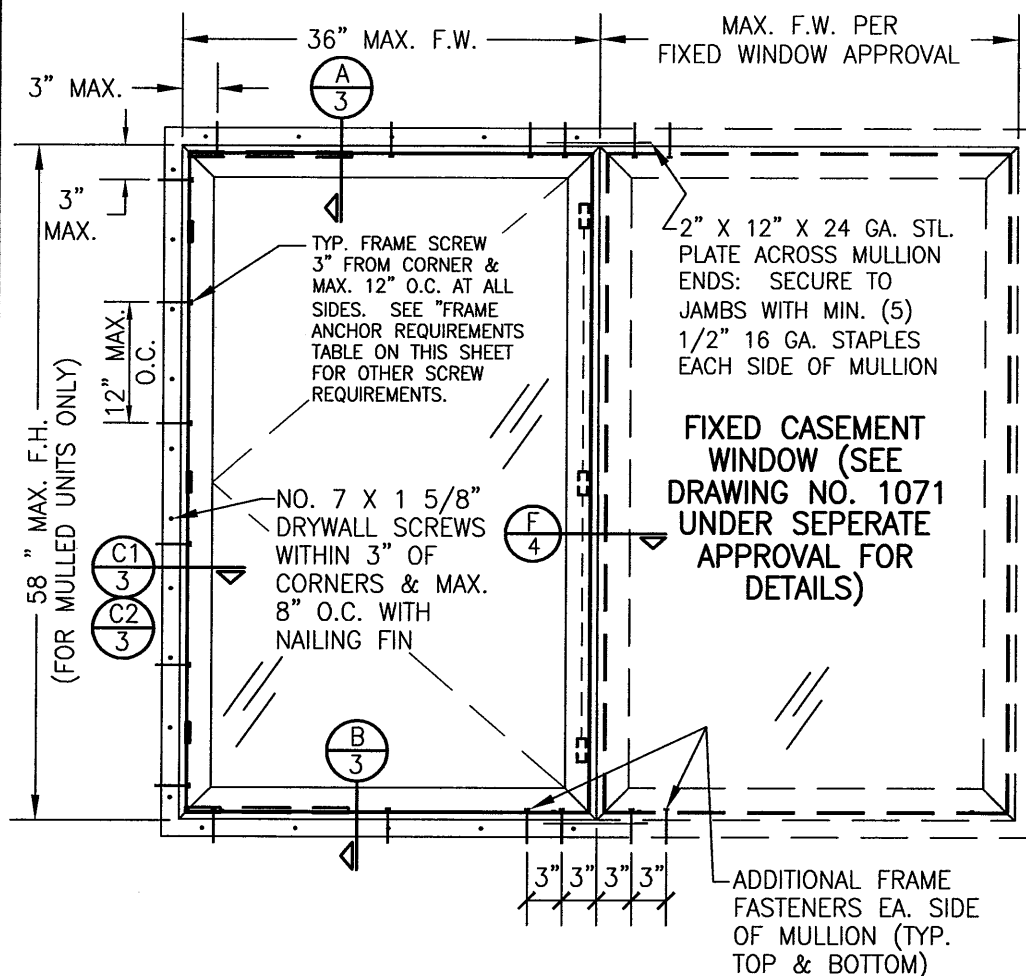
F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, dated 09/17/12, signed and sealed by Warren W. Schaefer, P. E.
2. Statement letter of no financial interest and independence, dated 09/17/12, signed and sealed by Warren W. Schaefer, P. E.
3. Laboratory compliance letters for Test Reports No.'s **HTL 0037-0201-01, HTL 0037-0410-01, HTL 0037-1204-01, HTL 0037-0412-01, HTL 0037-0418-01, HTL 0037-0205-01 and HTL 0037-0106-02**, issued by Hurricane Test Laboratory, LLC, dated 04/16, 04/20 and 11/21/01, 01/08, 02/07 and 07/05/02, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under previous NOA No. 07-1203.10)

G. OTHERS

1. *Notice of Acceptance No. 11-1108.05, issued to Weather Shield Manufacturing, Inc. for their Series "Legacy Aluminum Clad Outswing Wood Casement Window - L.M.I." approved on 01/26/12 and expiring on 02/13/13.*


Manuel Perez, P.E.
Product Control Examiner
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EXTERIOR ELEVATION

MULTIPLE OPERABLE/FIXED CASEMENTS
(MAX. FOUR WINDOWS MAY BE COMBINED)
(ANY COMBINATION)

SCALE: 3/4"=1'-0"

(FOR DETAIL NOT SHOWN SEE ELEVATIONS ON SHEET 1)

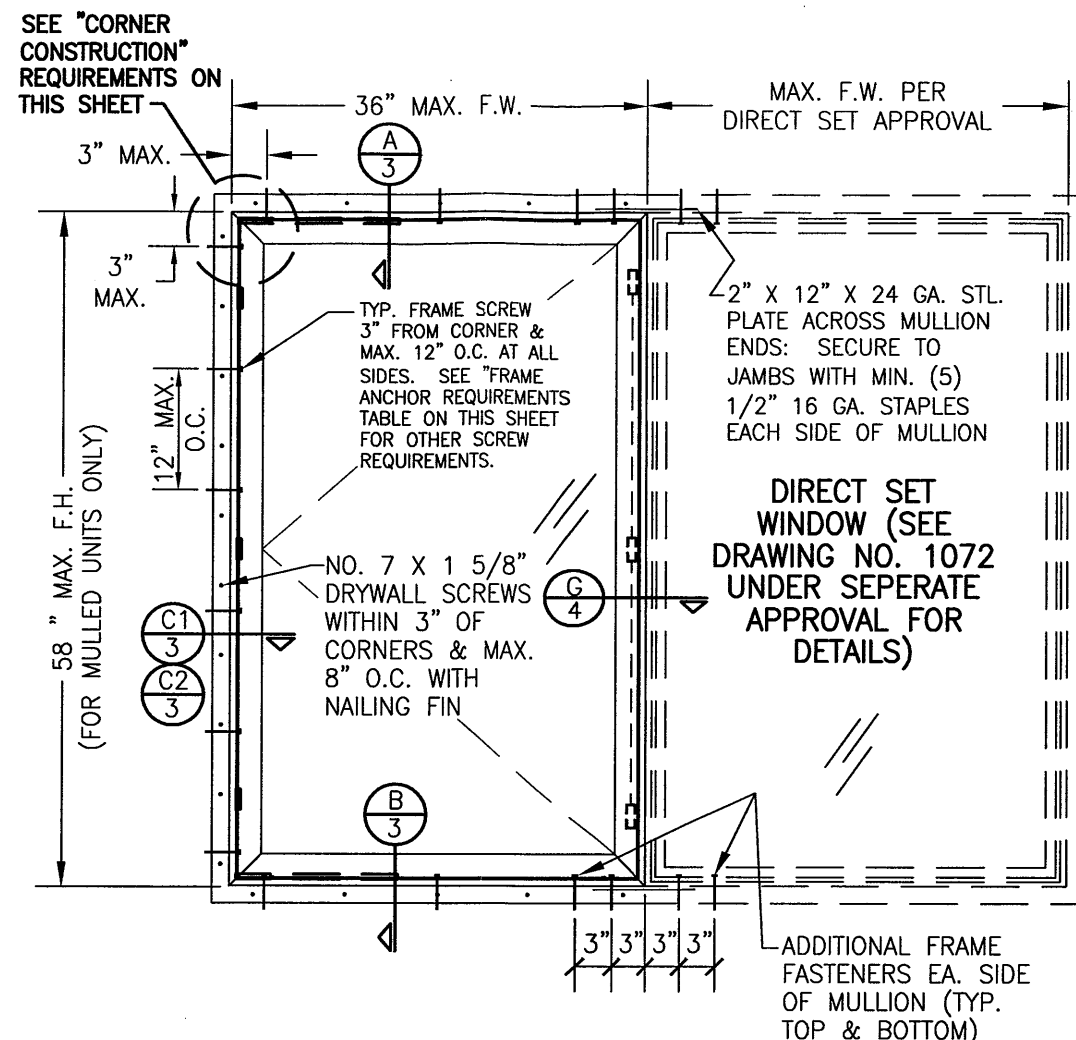
ALLOWABLE PRESSURE
= MAX. \pm 60 PSF
AT OPERABLE TO FIXED
UNITS SHOWN ABOVE.

WHEN WINDOW WIDTHS ARE 32" OR LESS,
THE MULLION SPAN (WINDOW HEIGHT) MAY
BE INCREASED TO 72" AND THE ALLOWABLE
PRESSURE MAY BE INCREASED TO +60/-75
PSF. (OPERABLE TO FIXED CASEMENT ONLY)

FRAME CORNER CONSTRUCTION

AT EACH CORNER THE WOOD FRAME MEMBERS ARE COPED, SEALED WITH GE 2801 SILGLAZE THEN BUTTED TOGETHER AND MECHANICALLY FASTENED USING THREE (3) 1/2" X 1 1/2" LONG 16 GA. GALVANIZED STEEL STAPLES.

AT EACH CORNER THE ALUMINUM FRAME CLADDING MEMBERS ARE MITER CUT, SEALED, BUTTED TOGETHER AND MECHANICALLY FASTENED USING ONE (1) NO. 7 X 3/8" FH UNDERCUT FASTENER. THE FRAME CLAD CORNERS ARE REINFORCED WITH AN INSERTED GLASS FILLED CORNER KEY. A PSA1 CLOSED CELL FOAM CORNER GASKET IS APPLIED AT EACH FRAME CORNER SEALING THE JOINT BETWEEN ADJOINING MEMBERS.



EXTERIOR ELEVATION

MULTIPLE OPERABLE CASEMENTS/DIRECT SET WINDOWS
(MAX. FOUR WINDOWS MAY BE COMBINED)
(ANY COMBINATION)

SCALE: 3/4"=1'-0"

(FOR DETAIL NOT SHOWN SEE ELEVATIONS ON SHEET 1)

**ALLOWABLE PRESSURE
= MAX. \pm 60 PSF
AT OPERABLE TO DIRECT
SET UNITS SHOWN.**

SASH CORNER CONSTRUCTION

AT EACH CORNER THE WOOD SASH MEMBERS ARE COPED, SEALED WITH GE 2801 SILGLAZE THEN BUTTED TOGETHER AND MECHANICALLY FASTENED USING ONE (1) F16 X 1 3/4" FINISH NAIL.

AT EACH CORNER THE ALUMINUM SASH CLADDING MEMBERS ARE MITER CUT, SEALED, BUTTED TOGETHER AND MECHANICALLY FASTENED USING TWO (2) NO. 6 X 1 1/4" PILOT POINT SCREWS. THE SASH CLAD CORNERS ARE REINFORCED WITH AN INSERTED ZINC DIE CAST CORNER KEY.

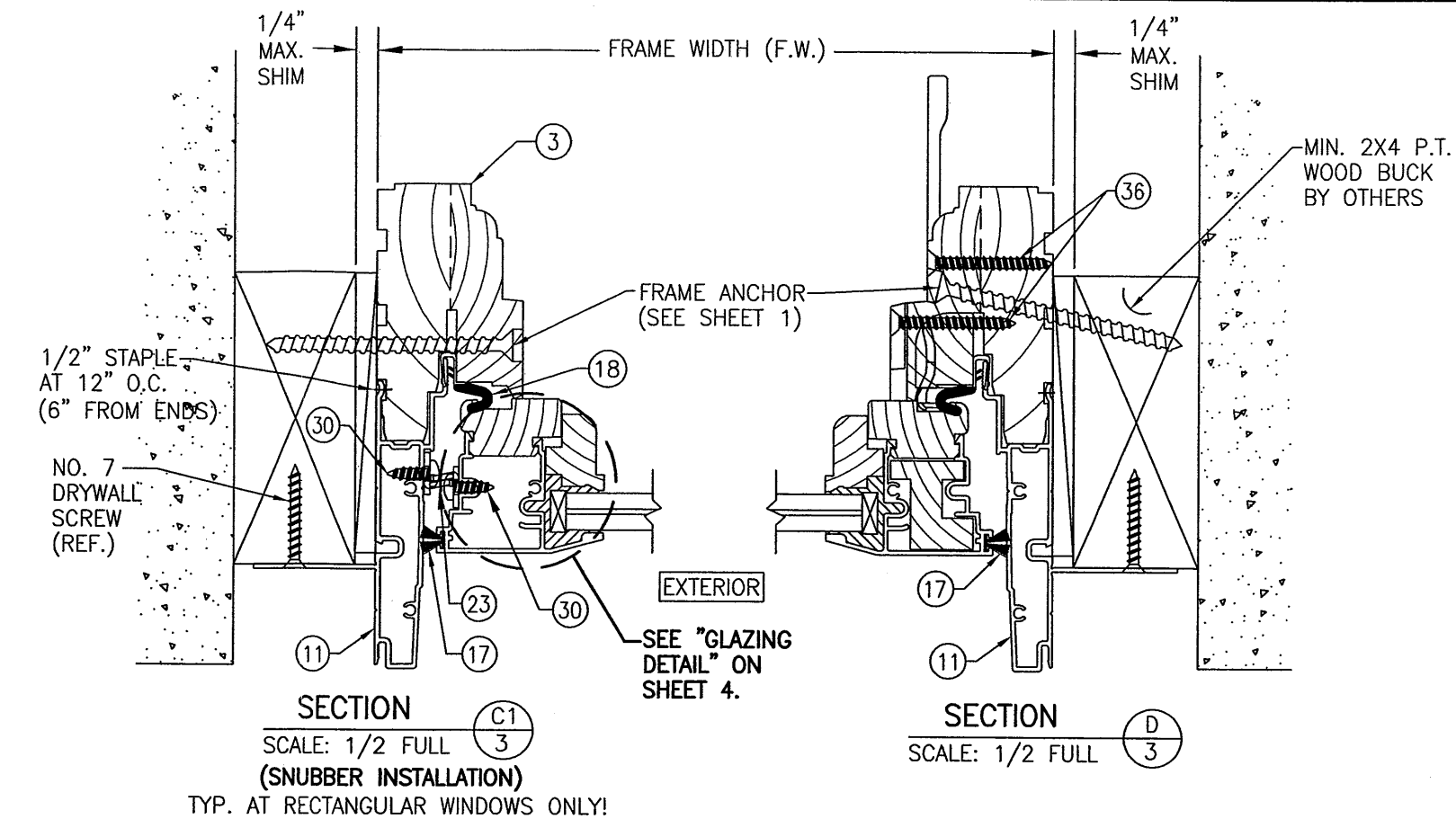
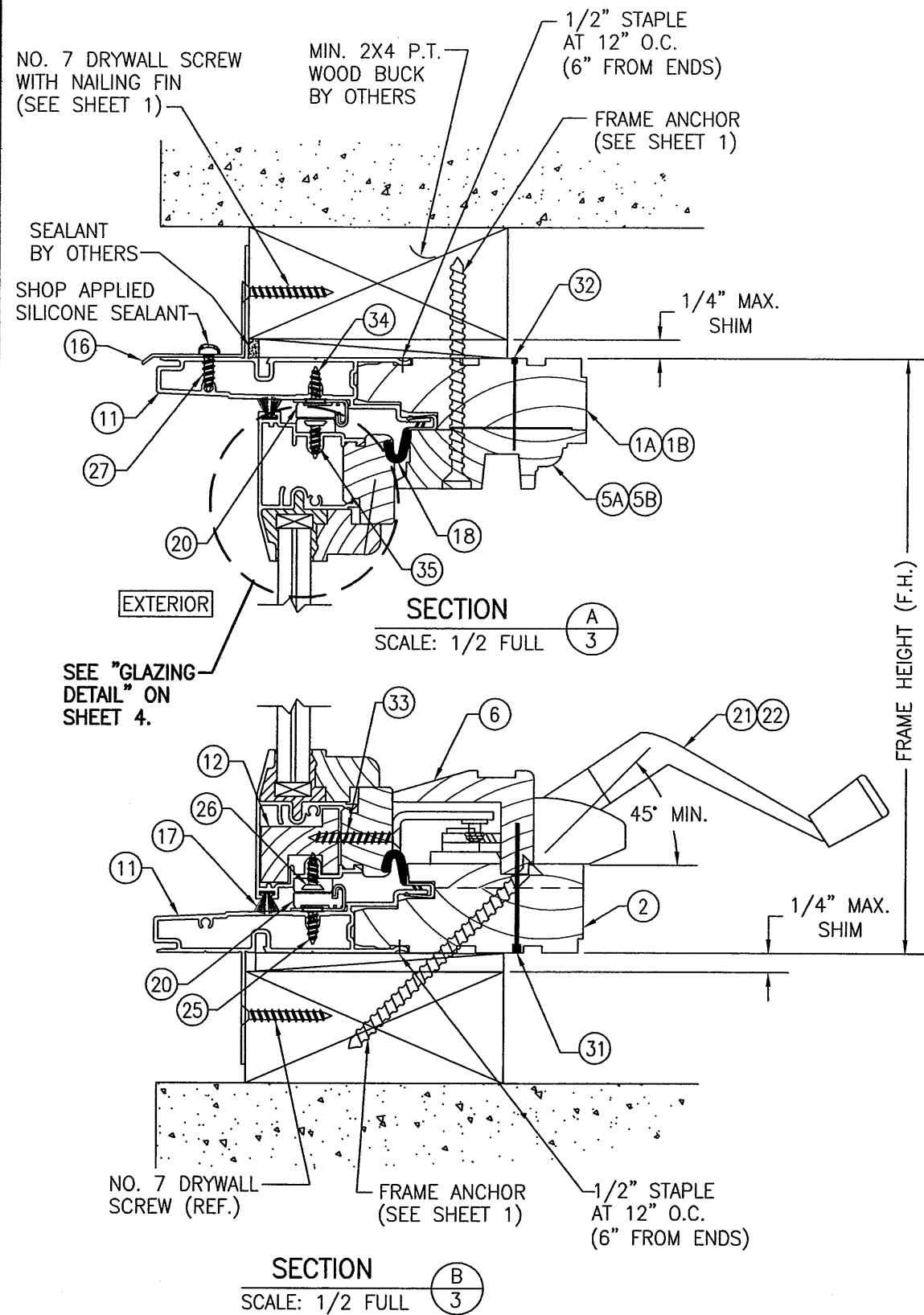
ALLOWABLE WINDOW PRESSURE (SINGLE WINDOWS)					
HEIGHT (IN.)	WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)			
		GLASS OPTION 1		GLASS OPTION 2, 3 & 4	
		POS	NEG	POS	NEG
48 OR LESS	28 OR LESS	60.0	85.0	60.0	85.0
	32	60.0	75.0	60.0	75.0
	36	60.0	75.0	60.0	75.0
52	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
	36	60.0	75.0	60.0	75.0
56	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
	36	60.0	75.0	60.0	75.0
58	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
	36	60.0	70.2	60.0	75.0
60	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
64	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
68	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0
72	28 OR LESS	60.0	75.0	60.0	75.0
	32	60.0	75.0	60.0	75.0

GLASS OPTION 1 = 3/8" CARDINAL SEASTORM
LAMINATED ANNEALED GLASS (5/32" PANES)
GLASS OPTION 2 = 7/16" SOLUTIA SAFLEX
LAMINATED HEAT STRENGTHENED (3/16" PANES)
GLASS OPTION 3 = 7/16" SOLUTIA SAFLEX
LAMINATED ANNEALED (3/16" PANES)

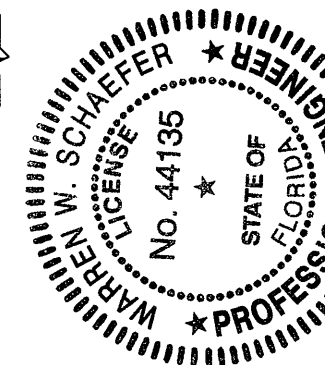
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0919-04
Expiration Date Feb. 13, 2018
By Manuel Perez
Miami Dade Product Control

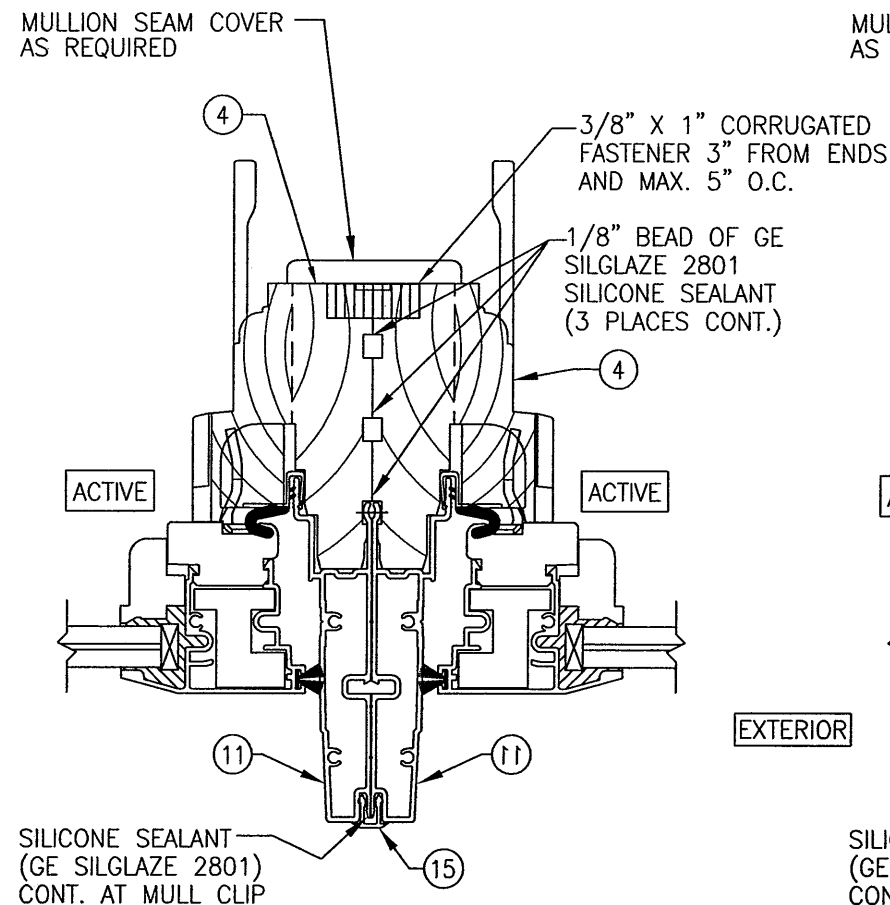



DRAWING NO. 1070	REV. C	SHEET NO. 2 OF 5	CERTIFICATION <div style="text-align: center;"> SEP 17 2012 </div> <div style="text-align: right;"> WARREN W. SCHAEFER, P.E. P.E. NO. 44135 </div>	DRAWING TITLE LEGACY ALUMINUM CLAD WOOD IMPACT OUTSWING CASEMENT WINDOW	DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
				CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
				NO. REVISION DESCRIPTION BY DATE	PLOT: 1=16	DATE: 04/04/02

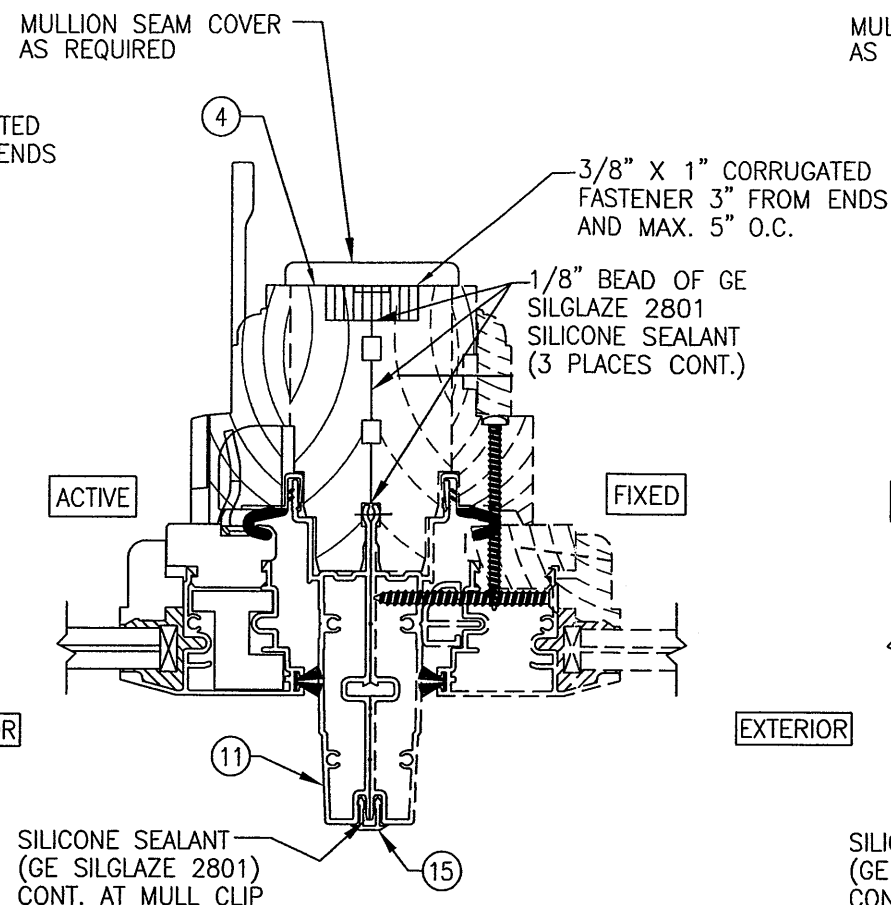


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[illegible]



SECTION
SCALE: 1/2" FULL 
(SEE JAMB SECTIONS FOR DETAIL NOT SHOWN)

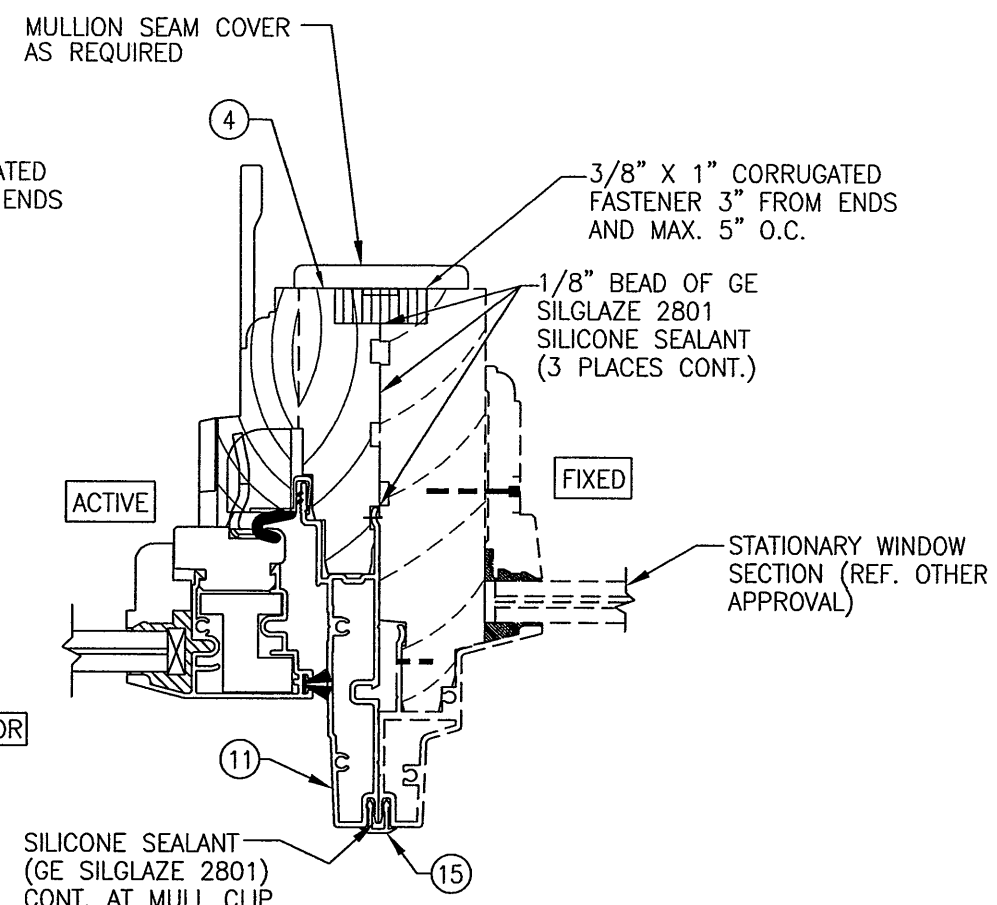


SECTION

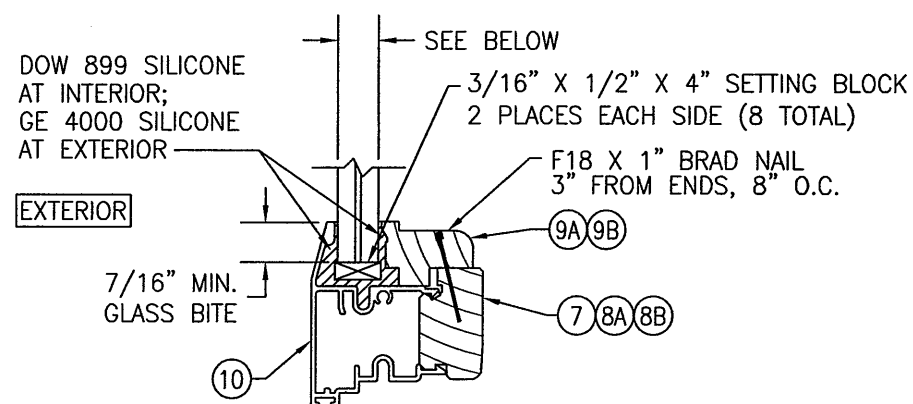
SCALE: 1/2 FULL

(SEE JAMB SECTIONS FOR DETAIL NOT SHOWN)

F
4



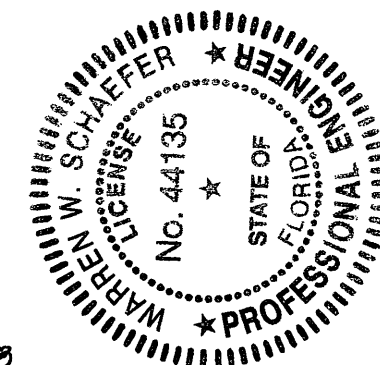
SECTION G
4
SCALE: 1/2 FULL
(SEE JAMB SECTIONS FOR DETAIL NOT SHOWN)




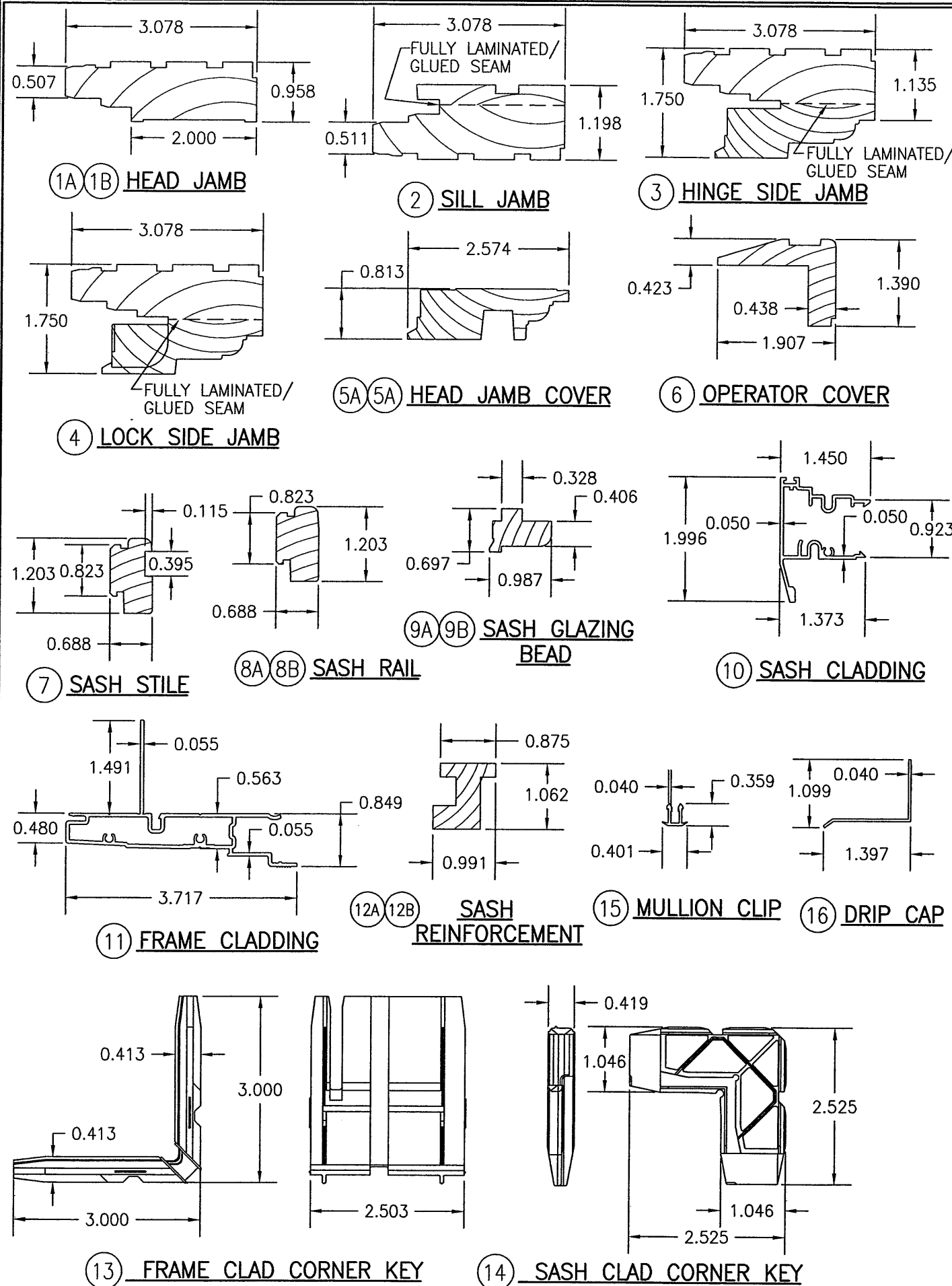
GLAZING DETAIL

- OPTION 1) 3/8" CARDINAL SEASTORM TYPE "B" LAMINATED GLASS (5/32" AN/0.045 PVB/0.007 PET/0.045 PVB/5/32" AN)
OPTIONAL INNER LAYER MAY BE 0.075 PVB/0.007 PET/0.015 PVB.
- OPTION 2) 7/16" SOLUTIA SAFLEX LAMINATED GLASS (3/16" H.S./0.09 SOLUTIA SAFLEX/ 3/16" H.S.)
- OPTION 3) 7/16" SOLUTIA SAFLEX LAMINATED GLASS (3/16" AN/0.09 SOLUTIA SAFLEX/ 3/16" AN.)

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By Manner Perez
Miami/Dade Product Control



DRAWING NO. 1070	REV. C	SHEET NO. 4 OF 5	<div>CERTIFICATION</div> <div><div>SEP 17 2012</div><div></div></div> <div>WARREN W. SCHAEFFER, P.E. P.E. NO. 44135</div>	DRAWING TITLE LEGACY ALUMINUM CLAD WOOD IMPACT OUTSWING CASEMENT WINDOW	DRAWN BY: J.C.F.		CHECKED BY:	
					PLOT: 1=2		DATE: 04/04/02	
					NO.	REVISION DESCRIPTION	BY	DATE
<div>CONSULTANTS</div> <div>W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424</div>					<div>MANUFACTURER</div> <div>WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555</div>			



ITEM #	DRAWING #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1A	09-0060-M01	HEAD JAMB (STRAIGHT MEMBER)	* WOOD
1B	09-0060-M01	HEAD JAMB (RADIAL MEMBER)	LVL
2	09-0048-M01	SILL JAMB	* WOOD
3	09-0025-M01	HINGE SIDE JAMB	* WOOD
4	37-0005-M01	LOCK SIDE JAMB	* WOOD
5A	09-0069-M01	HEAD JAMB LINEAL STOP	* WOOD
5B	09-0069-M01	HEAD JAMB RADIAL STOP	LVL
6	09-0037-M01	OPERATOR COVER	* WOOD
7	12-0251-M01	SASH STILE	* WOOD
8A	12-0250-M01	LINEAL SASH RAIL	* WOOD
8B	12-0250-M01	RADIAL SASH RAIL	LVL
9A	09-0190-M01	LINEAL SASH GLAZING BEAD	* WOOD
9B	09-0190-M01	RADIAL SASH GLAZING BEAD	LVL
10	04-0012-M01	SASH CLADDING	6063-T5 ALUMINUM
11	04-0016-M01	FRAME CLADDING	6063-T5 ALUMINUM
12A	09-0180-M01	LINEAL SASH HEAD & SILL REINF.	* WOOD
12B	09-0180-M01	RADIAL SASH HEAD & SILL REINF.	LVL
13	12-0020-M	FRAME CLAD CORNER KEY	GLASS REINFORCED NYLON
14	12-0025-M	SASH CLAD CORNER KEY	DIE CAST ZINC
15	04-0005-M051	MULLION CLIP	6063-T5 ALUMINUM
16	04-A2581	DRIP CAP	6063-T5 ALUMINUM
SEALS & SEALANTS			
17	12-0070-M01	SASH, PILE WEATHERSTRIP	-
18	12158	CASEMENT SEAL	AMESBURY GROUP, INC.
HARDWARE			
19	12-0080/12-0085	BUTT HINGE	TRUTH HARDWARE
20	12-0090-M01	10" SCISSOR HINGE WITH 5" ARM	ALL METAL
20	12-0093-M01	10" SCISSOR HINGE WITH 6.5" ARM	ALL METAL
20	12-0096-M01	14" ADJ. SCISSOR HINGE WITH 7.5" ARM	ALL METAL
21	12-0040-M01	SINGLE ARM OPERATOR	TRUTH HARDWARE
22	12-0040-M0166	DUAL ARM OPERATOR	TRUTH HARDWARE
23	12-0075-M01	SNUBBER	ALL METAL; S.S. OR C.R.S.
24	12-0030-M01	MULTI-POINT LOCK WITH KEEPERS	ROTO FRANK
FASTENERS			
25	-	NO. 7 X 5/8" FH S.M.S.	4 PER HINGE INTO FRAME CLAD
26	-	NO. 7 X 1/2" FH S.M.S.	3 PER HINGE INTO SASH CLAD
27	-	NO. 6 X 3/8" PH SMS	3" FROM ENDS & AT 3RD PTS
28	-	NO. 7 X 1 1/4" DRYWALL SCREW	AS REQUIRED FOR OPERATOR TRACK
29	-	NO. 8 X 1 1/2" FH S.M.S.	2 PER KEEPER
30	-	NO. 8 X 1/2" PH S.M.S.	2 PER SNUBBER
31	-	1/2" X 1 7/8" 16 GA. STAPLE GALVANIZED STEEL	AS REQUIRED TO HOLD COVER IN PLACE
32	-	1 1/8" X 0.080 DIA. RING SHANK NAIL	2" FROM ENDS & 8" O.C.

* WOOD USED IN TESTING WAS WESTERN PINE. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY WEATHER SHIELD TO SELECT.

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PLOT: 1=2	DATE: 04/04/02
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE LEGACY ALUMINUM CLAD WOOD IMPACT OUTSWING CASEMENT WINDOW	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DRAWING NO. 1070	
REV. C	
SHEET NO. 5 OF 5	